



EL MONTE UNION HIGH SCHOOL  
DISTRICT 3537 JOHNSON AVENUE  
EL MONTE, CA 91731  
BID No. 2017-18(B4)  
INSTALLATION OF DISTRICT-OWNED  
SURVEILLANCE CAMERAS AND  
WIRELESS ACCESS POINTS DISTRICTWIDE  
(BID PACKET SECTION 16060)

SECTION 16060

GROUNDING AND BONDING

PART 1 - GENERAL

1.01 SUMMARY

- A. Provisions of ALL Contract Documents shall apply to this Section.
- B. Section Includes: Provide and Install grounding system as indicated or required.
- C. Related Sections:
  - 1. Refer to related sections for their system grounding requirements.
  - 2. Section 16010: Basic Electrical Requirements.

1.02 QUALITY ASSURANCE

- A. Reference Standards: Roof
  - 1. IEEE 142 Green Book.
  - 2. Underwriter's Laboratories (UL).
  - 3. California Electrical Code.
  - 4. B.I.C.S.1. (Signal)
  - 5. EIA/TIA (Signal and power).

1.03 SYSTEM DESCRIPTION

- A. Metallic objects on the Project site provided under this Work that enclose electrical conductors, or that are likely to be energized by electrical currents, shall be effectively grounded, per Code requirements.
- B. Metal equipment parts, such as enclosures, raceways, and equipment grounding conductors, and earth grounding electrodes shall be solidly joined together into a continuous electrically conductive system.
- C. Metallic systems shall be solidly interconnected to the electrical system as provided by the service entrance and for grounded separately derived systems that are installed.

PART 2 – PRODUCTS (NOT USED)

PART 3 – EXECUTION (NOT USED)

END OF SECTION